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ABSTRACT

As part of a continuing study of student flow in the Hawaii community colleges, this report analyzes the persistence patterns of 1975 entering students after six semesters for the community college total and the seven campuses. The persistence patterns of the 8,979 students showed that 21% enrolled for only one semester at their campus of entry (non-persisters), 39% enrolled for two or more continuous semesters (moderate persisters), 11% enrolled for two or more non-continuous semesters (stop-outs), 13% enrolled for all six semesters (extreme persisters), and 16% graduated by the end of the sixth semester. Significant differences in persistence patterns were found on all ten characteristics studied: sex, age, marital status, high school background, entry status, full- or part-time status, educational objectives, program of study, cumulative grade point average (GPA), and cumulative credit-completion ratio. Non-persisters tended to be unclassified students with GPAs below 2.0 and credit-completion ratios below 0.5. Moderate persisters tended to be widowed or divorced with credit-completion ratios of .50-.79. Stop-outs tended to change campuses. Extreme persisters tended to change both campuses and majors. Graduates tended to be health services majors with credit-completion ratios of .80-.99, seeking certificates of achievement. (BB)

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PERSISTENCE IN THE COMMUNITY COLLEGE SYSTEM AFTER SIX SEMESTERS

Fall 1975 Entering Students

Report No. 44

Student Flow Project

BEST COPY AVAILABLE

September 1978

Office of the Chancellor for Community Colleges
Educational Services Division
University of Hawaii

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A. Introduction

Report No. 45 of the Student Flow Project will analyze persistence after six semesters of the Fall 1975 entering group, by campus of entry. This report analyzes persistence in the community college system, enabling us to find out the degree to which Fall 1975 entering students persisted at campuses other than the one of entry.

The five persistence patterns are defined below:

- Non-persister — attended one semester only
- Moderate persister — attended 2 or more continuous semesters (but fewer than 6)
- Stop-out — attended 2 or more non-consecutive semesters (in/out)
- Extreme persister — attended all 6 semesters
- Graduate — earned a certificate of achievement or associate degree at or before the end of the sixth semester.

We present the findings for the community college system in terms of student characteristics as well as the following:

--change of campus vs no change of campus
--change of major vs no change of major
--campus of exit (campus of last enrollment)

B. Findings

The Fall 1975 entering students (8,979) had the following persistence patterns at the end of six semesters. The first column will be included in our next report, the second shows persistence in the community college system.

	Campus of Entry		Comm. Coll. System	
	No.	V%	No.	V%
Total	8,979	*100%*	8,979	*100%*
Non-persister	2,195	*24%*	1,913	*21%*
Moderate persister	3,699	*41%*	3,514	*39%*
Stop-out	757	*8%*	1,012	*11%*
Extreme persister	982	*11%*	1,140	*13%*
Graduate	1,346	*15%*	1,400	*16%*

The data above show that persistence patterns in the community college system differed somewhat from those by campus of entry. Some of these differences are shown below:

--the decrease in non-persisters from 2,195 to 1,913 (from 24 to 21 percent). This means that 282 students attended another campus during the second or succeeding semesters.

--the decrease in moderate persisters from 41 to 39 percent.

--the increase in stop-outs from 8 to 11 percent.

--the increase in extreme persisters indicating that 13 percent of Fall 1975 entering students (1,140) attended one or more community colleges for six consecutive semesters without completing a degree.

--the increase in graduates from 1,346 to 1,400, showing that 54 students received their degrees from a campus other than the one of entry. (The rate rose from 15 percent for graduation from the campus of entry to 16 percent for graduation from the community college system.)

Our study of persistence patterns in the community college system, by characteristics, shows that *there are statistically significant differences in persistence patterns on all characteristics for the community college system, for new students only and for transfer students only.* Findings are presented below for these three groups.

1. Community College System

While Table 1 shows the highest rates for each persistence pattern, by characteristics, Appendix A includes details for each characteristic. A few highlights are shown below:

a. Non-persister (one semester only): 21 percent of the total, and this rate was exceeded by at least 10 percent of the following sub-groups:

34% students 22-24 years old at entry

32% graduates from U.S. Mainland high schools

52% unclassified students who were seeking no degrees

45% students with grade point averages below 2.0

42% students with credit-completion ratios below .5

34% students who entered Kauai Community College

32% students who last enrolled at Kauai Community College

TABLE 1
HIGHEST RATES FOR PERSISTENCE PATTERNS, BY CHARACTERISTICS
FALL 1975 ENTERING STUDENTS
COMMUNITY COLLEGE TOTAL (8,979)

Note: See Appendix A for detailed tables.

Characteristic[a]	One Sem. Only	2+ Cont. Sem.	In/Out Pattern	All Six Sem.	Graduate
TOTAL	*21%* (1,913)	*39%* (3,514)	*11%* (1,012)	*13%* (1,140)	*16%* (1,400)
Sex***	*24%* female	*41%* male	*11% each* male and female	*15%* male	*17%* female
Entry Age***	*34%* 22-24 yrs.	*46%* over 29 yrs.	*13%* 19-21 yrs.	*16%* below 19 yrs.	*19%* below 19 yrs.
Marital Status***	*25%* married	*79%* other	*12%* single	*13%* single	*17%* single
High Sch. Backgr.***	*32%* U.S. Mainland	*43%* other	*13%* other	*16%* public, Oahu	*28%* public, N.I.
Entry***	*27%* transfer	*40%* new	*11%* each new, transfer	*14%* new	*16%* transfer
Status***	*30%* part-time	*41%* full-time	*15%* part-time	*13%* full-time	*24%* full-time
Educational Obj.***	*52%* other	*46%* A.A.	*14%* other	*15%* A.S.	*32%* certificate
Program***	*52%* other	*46%* liberal arts	*14%* other	*18%* hotel/food svcs.	*52%* health svcs.
Cumulative GPA***	*45%* below 2.0	*42%* 2.0-2.9	*13%* below 2.0	*21%* 2.0-2.9	*25%* 3.0-3.4
Cumulative CCR***	*42%* below .5	*49%* .50-.79	*15%* each .50-.79, below .5	*20%* each .80-.99, .50-.79	*34%* .80-.99
Campus of Entry***	*34%* Kauai	*44%* each Leeward, Windward	*14%* Windward	*17%* Leeward	*32%* Hawaii
Campus of Exit***	*32%* Kauai	*46%* Windward	*13%* each Kapiolani, Windward	*16%* Leeward	*32%* Hawaii
Change of Campus***	*23%* no change	*41%* no change	*42%* change	*22%* change	*16%* no change
Change of Major***	*27%* no change	*43%* no change	*27%* change	*22%* change	*23%* change
Change of Major, by Type***	*5%* uncl. to major	*41%* uncl. to major	*29%* uncl. to major	*23%* new major	*24%* new major

[a]Levels of significance, based on chi-square analysis, denoted as follows: * .05, ** .01, *** .001.

b. Moderate persister (2+ continuous semesters): 39 percent of the total, and this rate was exceeded by at least 10 percent of the following sub-groups:

79% students whose marital status was "other"

49% students with credit-completion ratios of .50-.79

c. Stop-out (in/out pattern): 11 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

42% students who changed campuses

27% students who changed majors

29% students who were unclassified and then chose a major

d. Extreme persister (all six semesters): 13 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

18% hotel/food services majors

21% students with grade point averages of 2.0-2.9

20% students with credit-completion ratios of .50-.79 or .80-.99

22% students who changed campuses

22% students who changed majors

23% students who changed from one major to another

e. Graduate: 16 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

28% students who graduated from public, Neighbor Island high schools

24% full-time students

32% students who earned certificates

52% health services majors

25% students with grade point averages of 3.0-3.4

34% students with credit-completion ratios of .80-.99

32% students who entered Hawaii Community College

32% students last enrolled at Hawaii Community College

23% students who changed majors

24% students who changed from one major to another

Table 2 was prepared to show the extent to which students graduated from their campus of entry. Of the 1,400 graduates, 1,346 (96 percent) received their degrees from their campus of entry and 54 from other colleges. A few entering students from all campuses but Kauai graduated from a college other than the one of entry (ranging from 22 who entered Leeward to 1 who entered Windward).

TABLE 2
GRADUATES, BY CAMPUS
COMMUNITY COLLEGE TOTAL

Campus of Entry	Total Graduates	Degree Received From:	
		Campus of Entry	Another Comm. Coll.
TOTAL	1,400	1,346	54
Hawaii CC	238	231	7
Honolulu CC	279	272	7
Kapiolani CC	366	351	15
Kauai CC	88	88	0
Leeward CC	249	227	22
Maui CC	140	138	2
Windward CC	40	39	1

2. New Students (Table 3)

a. Non-persister (one semester only): 19 percent of the total, and this rate was exceeded by at least 10 percent of the following sub-groups:

35% students 22-24 years old at entry

32% students who graduated from Mainland and foreign high schools

49% unclassified students who were seeking no degrees

41% students with grade point averages below 2.0

TABLE 3
HIGHEST RATES FOR PERSISTENCE PATTERNS, BY CHARACTERISTICS
FALL 1975 ENTERING STUDENTS
NEW STUDENTS ONLY (6,577)

Characteristic[a]	One Sem. Only	2+ Cont. Sem.	In/Out Pattern	All Six Sem.	Graduate
TOTAL	*19%* (1,261)	*40%* (2,617)	*11%* (743)	*14%* (946)	*15%* (1,010)
Sex***	*21%* female	*41%* male	*12%* female	*17%* male	*17%* female
Entry Age***	*35%* 22-24 yrs.	*49%* over 29 yrs.	*13%* each 19-21, 22-24 yrs.	*16%* each, below 19, 25-29 yrs.	*19%* below 19 yrs.
Marital Status***	*23%* married	*44%* married	*12%* single	*15%* single	*17%* single
High Sch. Backgr.***	*32%* each, U.S. Mainland, foreign	*44%* other	*13%* each, public, Oahu; private, HI; other	*18%* public, Oahu	*31%* public, N.I.
Status***	*28%* part-time	*41%* full-time	*15%* part-time	*15%* full-time	*23%* full-time
Educational Obj.***	*49%* other	*47%* A.A.	*15%* other	*17%* A.S.	*32%* certificate
Program***	*49%* other	*47%* liberal arts	*14%* other	*19%* hotel/food svcs.	*47%* health svcs.
Cumulative GPA***	*41%* below 2.0	*42%* 2.0-2.9	*14%* below 2.0	*23%* 2.0-2.9	*24%* each 3.0-3.4; 3.5 & above
Cumulative CCR***	*40%* below .5	*49%* .50-.79	*15%* below .5	*23%* .50-.79	*34%* .80-.99
Campus of Entry***	*31%* Kauai	*46%* Windward	*15%* Windward	*19%* Leeward	*34%* Hawaii
Campus of Exit***	*29%* Kauai	*48%* Windward	*14%* Kapiolani, Windward	*18%* Leeward	*34%* Hawaii
Change of Campus***	*21%* no change	*41%* no change	*41%* change	*24%* change	*16%* no change
Change of Major***	*24%* no change	*44%* no change	*26%* change	*24%* change	*23%* change
Change of Major, by Type***	*5%* uncl. to major	*43%* uncl. to major	*26%* each, uncl. to major; new major	*24%* new major	*25%* new major

[a]Levels of significance, based on chi-square analysis, denoted as follows: * .05, ** .01, *** .001.

40% students with credit-completion ratios below .5

31% students who entered Kauai Community College

29% students last enrolled at Kauai Community College

b. Moderate persister (2+ continuous semesters): 40 percent of the total, and this rate was exceeded by at least 8 percent of the following sub-groups:

49% students over 29 years of age at entry

48% students last enrolled at Windward Community College

c. Stop-outs (in/out pattern): 11 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

41% students who changed campuses

26% students who changed majors

26% students who were unclassified and then chose a major and students who changed from one major to another

d. Extreme persister (all six semesters): 14 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

19% hotel/food services majors

23% students with grade point averages of 2.0-2.9

23% students with credit-completion ratios of .50-.79

19% students who entered Leeward Community College

24% students who changed campuses

24% students who changed majors

24% students who changed from one major to another

e. Graduate: 15 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

31% students who graduated from public, Neighbor Island high schools

23% full-time students

32% students who earned certificates

47% health services majors

24% students with grade point averages of 3.0-3.4 and 3.5 and above

34% students with credit-completion ratios of .80-.99

34% students who entered Hawaii Community College

34% students last enrolled at Hawaii Community College

23% students who changed majors

25% students who changed from one major to another

3. Transfer Students (Table 4)

a. Non-persister (one semester only): 27 percent of the total, and this rate was exceeded by at least 10 percent of the following sub-groups:

55% unclassified students who were seeking no degrees

56% students with grade point averages below 2.0

48% students with credit-completion ratios below .5

40% students who entered Kauai Community College

38% students last enrolled at Kauai Community College and Maui Community College

b. Moderate persister (2+ continuous semesters): 37 percent of the total and this rate was exceeded by at least 10 percent of the following sub-group:

49% students with credit-completion ratios of .50-.79

c. Stop-out (in/out pattern): 11 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

18% students with credit-completion ratios of .50-.79

44% students who changed campuses

30% students who changed majors

32% students who were unclassified and then chose a major

TABLE 4
HIGHEST RATES FOR PERSISTENCE PATTERNS, BY CHARACTERISTICS
FALL 1975 ENTERING STUDENTS
TRANSFER STUDENTS ONLY (2,402)

Characteristic[a]	One Sem. Only	2+ Cont. Sem.	In/Out Pattern	All Six Sem.	Graduate
TOTAL	27% (652)	37% (897)	11% (269)	8% (194)	16% (390)
Sex***	30% female	40% male	12% male	9% male	13% female
Entry Age***	32% 22-24 yrs.	42% over 29 yrs.	14% 25-29 yrs.	10% over 29 yrs.	21% 19-21 yrs.
Marital Status**	29% married	39% married	12% single	9% married	18% single
High Sch. Backgr. **	32% U.S. Mainland	44% foreign	14% other	11% private, HI	20% public, N.I.
Status***	34% part-time	42% full-time	14% part-time	9% part-time	27% full-time
Educational Obj.***	55% other	44% A.A.	13% other	11% A.S.	31% certificate
Program***	55% other	45% liberal arts	13% other	16% hotel/food svcs.	58% health svcs.
Cumulative GPA***	56% below 2.0	43% 2.0-2.9	13% 2.0-2.9	14% 2.0-2.9	26% 3.0-3.4
Cumulative CCR***	48% below .5	49% .50-.79	18% .50-.79	14% .80-.99	36% .80-.99
Campus of Entry***	40% Kauai	40% each Leeward, Windward	14% each Hawaii, Maui	10% Leeward	23% Hawaii
Campus Of Exit***	38% each Kauai, Maui	41% Windward	14% each Hawaii, Maui	11% Leeward	24% Hawaii
Change of Campus***	30% no change	39% no change	44% change	16% change	16% each no change, change
Change of Major***	34% no change	39% no change	30% change	17% change	21% change
Change of Major, by Type**	5% uncl. to major	40% uncl. to major	32% uncl. to major	18% new major	24% new major

[a]Levels of significance, based on chi-square analysis, denoted as follows: * .05, ** .01, *** .001.

d. Extreme persister (all six semesters): 8 percent of the total, and this rate was exceeded by at least 5 percent of the following sub-groups:

16% hotel/food services majors

14% students with grade point averages of 2.0-2.9

14% students with credit-completion ratios of .80-.99

16% students who changed campuses

17% students who changed majors

18% students who changed from one major to another

e. Graduate: 16 percent of the total, and this rate was exceeded by least 5 percent of the following sub-groups:

21% students 19-21 years old at entry

27% full-time students

31% students who earned certificates

58% health services majors

26% students with grade point averages of 3.0-3.4

36% students with credit-completion ratios of .80-.99

23% students who entered Hawaii Community College

24% students last enrolled at Hawaii Community College

21% students who changed majors

24% students who changed from one major to another

C. Summary and Conclusion

This study of persistence in the community college system, together with Report No. 37, shows that 1/10 of the entering students changed campuses and 1/5 changed majors during the six-semester period.

	Entering Students			
	Fall 1974		Fall 1975	
	No.	%	No.	%
Total entering students	9,171		8,979	
Students who changed campuses	887	10%	799	9%
Students who changed majors	1,927	21%	2,013	22%

The fact that 799 Fall 1975 entering students changed campuses affected persistence patterns in a manner about identical to that for the Fall 1974 entering group:

- the non-persister and moderate persister rates dropped by 2 or 3 percent
- the stop-out and extreme persister rates increased by 2 or 3 percent
- the graduate rate increased by 1 percent

Persistence in the community college system at the end of six semesters can be summarized thus: 1/5 attended one semester only, 1/2 attended for 2 but fewer than 6 semesters, 13 percent attended all six semesters without graduating, 16 percent graduated.

Especially high proportions of the following sub-groups were found among:

- non-persisters: unclassified students, students with grade point ratios below 2.0, students with credit-completion ratios below .5.
- moderate persisters: students who were widowed or divorced, students with credit-completion ratios of .50-.79.
- stop-outs: students who changed campuses.
- extreme persisters: students who changed campuses, who changed majors, who changed from one major to another.
- graduates: health services majors, students with credit-completion ratios of .80-.99, students who entered and were last enrolled at Hawaii Community College, students who sought certificates.

It is especially noteworthy that high proportions of the same sub-groups were generally found in each persistence pattern for both Fall 1975 and Fall 1974 entering students. It is also significant that similar relationships were found among students who changed campuses and changed majors for both entering groups:

- high proportions of students who changed campuses (22 percent) and who changed majors (22 percent) were extreme persisters compared to those who did not (12 and 10 percent, respectively).

- graduation rates were: (1) 12 and 16 percent, respectively, for those who changed campuses compared to those who did not and (2) 23 and 14 percent, respectively, for those who changed majors compared to those who did not.

Also noteworthy is the fact that students who changed from one major to another had a graduation rate (24 percent) which was at least twice that of those who were unclassified students and then chose a major (9 percent).

An important conclusion can be reached on the basis of our study of persistence in the community colleges for both the Fall 1975 and Fall 1974 entering groups: Although the rates for each persistence pattern varied slightly, the characteristics of sub-groups with high proportions in each pattern were very similar and identical in many cases.

APPENDIX A

DETAILED TABLES: COMMUNITY COLLEGE TOTAL

SEX

SEX	COUNT / ROW PCT	PERSTAT 1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATED	ROW TOTAL
0 NO DATA		2	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0
1 FEMALE		1003	1672	481	443	736	4235
		23.7	37.1	11.4	10.5	17.4	47.2
2 MALE		908	1942	531	697	664	4742
		19.1	41.0	11.2	14.7	14.0	52.8
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 85.44579 WITH 8 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

ENTRY AGE

AGEGRP	COUNT / ROW PCT	PERSTAT 1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATED	ROW TOTAL
1 BELOW 19		540	1483	446	606	731	3806
		14.2	39.0	11.7	15.9	19.2	42.4
2 19 -- 21		408	595	202	149	262	1616
		25.2	36.8	12.5	9.2	16.2	18.0
3 22 -- 24		283	280	102	56	125	846
		33.5	33.1	12.1	6.6	14.8	9.4
4 25 -- 29		305	395	126	125	121	1072
		28.5	36.8	11.8	11.7	11.3	11.9
5 OVER 29		377	761	136	204	161	1639
		23.0	46.4	8.3	12.4	9.8	18.3
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 391.54419 WITH 16 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

MARITAL STATUS

MARSTAT	COUNT / ROW PCT	PERSTAT 1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATED	ROW TOTAL
0 NO DATA		1	0	0	0	0	1
		100.0	0.0	0.0	0.0	0.0	0.0
1 SINGLE		1296	2479	783	854	1124	6536
		19.8	37.9	12.0	13.1	17.2	72.8
2 MARRIED		614	1024	229	286	275	2428
		25.3	42.2	9.4	11.8	11.3	27.0
3 OTHER		2	11	0	0	1	14
		14.3	78.6	0.0	0.0	7.1	0.2
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 98.15990 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

APPENDIX A (CONT.)

HIGH SCHOOL BACKGROUND

HSGRP	PERSTAT: ONE SEM ONLY (1)	2+ CONT SEMESTER (2)	IN-OUT PATTERN (3)	ALL SIX SEMESTER (4)	GRADUATED (5)	ROW TOTAL
1 PUBLIC OAHU	798	1759	539	714	596	4406
	18.1	39.9	12.2	16.2	13.5	49.1
2 PUBLIC NEI ISLE	287	548	133	145	441	1554
	18.5	35.3	8.6	9.3	28.4	17.3
3 PRIVATE HI STATE	160	321	92	100	112	785
	20.4	40.9	11.7	12.7	14.3	8.7
4 US MAIN & FOSS	375	430	126	84	150	1165
	32.2	36.9	10.8	7.2	12.9	13.0
5 FOREIGN	121	174	37	38	48	418
	28.9	41.6	8.9	9.1	11.5	4.7
6 OTHER	172	282	85	59	53	651
	26.4	43.3	13.1	9.1	8.1	7.3
COLUMN TOTAL	1913	3514	1012	1140	1400	8979
	21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 446.30054 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

ENTRY STATUS

ENTSTAT	PERSTAT: ONE SEM ONLY (1)	2+ CONT SEMESTER (2)	IN-OUT PATTERN (3)	ALL SIX SEMESTER (4)	GRADUATED (5)	ROW TOTAL
1 NEW	1261	2617	743	946	1010	6577
	19.2	39.8	11.3	14.4	15.4	73.2
2 TRANSFER	652	897	269	194	390	2402
	27.1	37.3	11.2	8.1	16.2	26.8
COLUMN TOTAL	1913	3514	1012	1140	1400	8979
	21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 111.17294 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

FULL-/PART-TIME STATUS

FPTIME	PERSTAT: ONE SEM ONLY (1)	2+ CONT SEMESTER (2)	IN-OUT PATTERN (3)	ALL SIX SEMESTER (4)	GRADUATED (5)	ROW TOTAL
1 FULLTIME	675	1994	398	636	1165	4868
	13.9	41.0	8.2	13.1	23.9	54.2
2 PARTTIME	1238	1520	614	504	235	4111
	30.1	37.0	14.9	12.3	5.7	45.8
COLUMN TOTAL	1913	3514	1012	1140	1400	8979
	21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 851.02954 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

APPENDIX A (CONT.)

EDUCATIONAL OBJECTIVE

PERSTAT

EDOBJ	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE D	ROW TOTAL
1 NO DATA	1	1	0	0	0	0	1
		100.0	0.0	0.0	0.0	0.0	0.0
4 OTHER	4	471	266	124	22	30	912
		51.6	29.1	13.6	2.4	3.3	10.2
5 CERTIFICATE	5	188	270	99	88	297	942
		20.0	28.7	10.5	9.3	31.5	10.5
7 ASSOC. SCIENCES	7	480	1083	278	457	733	3031
		15.8	35.7	9.2	15.1	24.2	33.8
9 ASSOC. ARTS	9	773	1896	511	573	340	4093
		18.9	46.3	12.5	14.0	8.3	45.6
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 1215.56323 WITH 16 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

PROGRAM

PERSTAT

ORGSTR	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE D	ROW TOTAL
60 LIBERAL ARTS	60	772	1891	509	570	336	4078
		18.9	46.4	12.5	14.0	8.2	45.4
62 BUSINESS	62	266	595	178	237	401	1677
		15.9	35.5	10.6	14.1	23.9	18.7
64 HEALTH SERVICES	64	39	68	13	15	148	283
		13.8	24.0	4.6	5.3	52.3	3.2
66 HOTEL & FOOD SVS	66	43	75	23	43	50	234
		18.4	32.1	9.8	18.4	21.4	2.6
72 PUBLIC SERVICES	72	106	215	56	78	71	526
		20.2	40.9	10.6	14.8	13.5	5.9
74 TECHNOLOGY	74	216	402	109	175	364	1266
		17.1	31.8	8.6	13.8	28.8	14.1
78 OTHER	78	471	268	124	22	30	915
		51.5	29.3	13.6	2.4	3.3	10.2
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 1397.01172 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

CUMULATIVE GPA

PERSTAT

GPAGRP	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE D	ROW TOTAL
1 3.5 AND ABOVE	1	325	646	164	109	343	1587
		20.5	40.7	10.3	6.9	21.6	17.7
2 3.0 --- 3.4	2	268	733	189	258	480	1928
		13.9	38.0	9.8	13.4	24.9	21.5
3 2.0 --- 2.9	3	245	1282	345	639	550	3061
		8.0	41.9	11.3	20.9	18.0	34.1
4 BELOW 2.0	4	1075	853	314	134	27	2403
		44.7	35.5	13.1	5.6	1.1	26.8
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 1729.08026 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

APPENDIX A (CONT.)

CUMULATIVE CCR

PERSTAT

COMPRATE	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE C	ROW TOTAL
1.00	1	533	694	123	139	540	2029
		26.3	34.2	6.1	6.9	26.6	22.6
.80--.99	2	41	732	162	406	699	2040
		2.0	35.9	7.9	19.9	34.3	22.7
.50--.79	4	188	1064	330	441	151	2174
		8.6	48.9	15.2	20.3	6.9	24.2
BELOW .5	7	1151	1024	397	154	10	2736
		42.1	37.4	14.5	5.6	0.4	30.5
	COLUMN TOTAL	1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 2764.16431 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

CAMPUS OF ENTRY

PERSTAT

CAMPUS	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE C	ROW TOTAL
HONOLULU CC	0	376	731	195	250	279	1831
		20.5	39.9	10.6	13.7	15.2	20.4
KAPIOLANI CC	1	388	731	256	256	366	1997
		19.4	36.6	12.8	12.8	18.3	22.2
LEEWARD CC	2	477	1124	298	425	249	2573
		18.5	43.7	11.6	16.5	9.7	28.7
KAUAI CC	3	163	164	33	37	88	485
		33.6	33.8	6.8	7.6	18.1	5.4
MAUI CC	4	231	300	94	61	140	816
		28.3	36.8	11.5	6.3	17.2	9.1
HAWAII CC	5	146	229	62	73	238	748
		19.5	30.6	8.3	9.8	31.8	8.3
WINDWARD CC	6	132	235	74	48	40	529
		25.0	44.4	14.0	9.1	7.6	5.9
	COLUMN TOTAL	1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 430.27466 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

CAMPUS OF EXIT

PERSTAT

ECAMP	COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE C	ROW TOTAL
HONOLULU CC	0	376	737	227	258	291	1885
		19.9	39.1	11.8	13.7	15.4	21.0
KAPIOLANI CC	1	388	748	265	272	361	2034
		19.1	36.8	13.0	13.4	17.7	22.7
LEEWARD CC	2	477	1093	259	406	247	2482
		19.2	44.0	10.4	16.4	10.0	27.6
KAUAI CC	3	163	169	45	43	94	514
		31.7	32.9	8.8	8.4	18.3	5.7
MAUI CC	4	231	307	90	45	135	808
		28.6	38.0	11.1	5.6	16.7	9.0
HAWAII CC	5	146	218	63	68	229	724
		20.2	30.1	8.7	9.4	31.6	8.1
WINDWARD CC	6	132	248	67	48	43	532
		24.8	45.5	12.6	9.0	8.1	5.9
	COLUMN TOTAL	1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 399.56128 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

APPENDIX A (CONT.)

CHANGE OF CAMPUS

CAMPCHNG	PERSTAT COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE C	ROW TOTAL
0 NO CHANGE		1913	3314	680	965	1308	8180
		23.4	40.5	8.3	11.8	16.0	91.1
1 CHANGE		0	200	332	175	92	799
		0.0	25.0	41.6	21.9	11.5	8.9
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 1012.87061 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

CHANGE OF MAJOR

MAJCHNG	PERSTAT COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE C	ROW TOTAL
0 NO CHANGE		1876	2976	475	696	943	6966
		26.9	42.7	6.8	10.0	13.5	77.6
1 CHANGE		37	538	537	444	457	2013
		1.8	26.7	26.7	22.1	22.7	22.4
COLUMN TOTAL		1913	3514	1012	1140	1400	8979
		21.3	39.1	11.3	12.7	15.6	100.0

RAW CHI SQUARE = 1373.22949 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

CHANGE OF MAJOR, BY TYPE

MCHNG	PERSTAT COUNT / ROW PCT	1 ONE SEM ONLY	2 2+ CONT SEMESTER	3 IN-OUT PATTERN	4 ALL SIX SEMESTER	5 GRADUATE D	ROW TOTAL
1 MAJOR TO NEW MAJ		26	442	470	407	435	1780
		1.5	24.8	26.4	22.9	24.4	88.4
2 UNCL TO MAJOR		11	96	67	37	22	233
		4.7	41.2	28.8	15.9	9.4	11.6
COLUMN TOTAL		37	538	537	444	457	2013
		1.8	26.7	26.7	22.1	22.7	100.0

RAW CHI SQUARE = 57.96764 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000